

(19) World Intellectual Property  
Organization  
International Bureau



555857

(43) International Publication Date  
18 November 2004 (18.11.2004)

PCT

(10) International Publication Number  
**WO 2004/099326 A2**

- (51) International Patent Classification<sup>7</sup>: **C09D 7/00**
- (21) International Application Number:  
PCT/EP2004/004997
- (22) International Filing Date: 7 May 2004 (07.05.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
03252855.6 7 May 2003 (07.05.2003) EP
- (71) Applicant (for all designated States except US): **SIG-MAKALON SERVICES B.V.** [NL/NL]; Amsterdamseweg 14, NL-1422 AD Uithoorn (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GILLARD, Michel** [BE/BE]; Rue Jean Froissant, 6/102, B-1348 Louvain-la-Neuve (BE). **VOS, Marcel** [NL/BE]; Rue Cheval Godet, 78, B-1400 Nivelles (BE).
- (74) Agents: **WALSH, David, Patrick et al.**; Appleyard Lees, 15 Clare Road, Halifax HX1 2HY (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **SILYL ESTERS, THEIR USE IN BINDER SYSTEMS AND PAINT COMPOSITIONS AND A PROCESS OF PRODUCTION THEREOF**

(57) Abstract: The use of an organosilyl ester as an alkaline hydrolysis or erodability booster for the binder system of a paint formulation is described. The booster is used in paint formulations which require hydrolysis of one or more of the components of the paint in use. The organosilylestere of the invention may also independently be film forming. The organosilyl ester may be the ester of a carboxylic, sulphonic or phosphoric acid. The binder systems of the invention can be used in paint compositions, such as self-polishing antifouling paints.

WO 2004/099326 A2